PTO/SB/08A (02-03)

Approved for use through 04/30/2003. OMB 0551-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE e Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

substitute for form 1449/PTO

Sheet 1

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

	•
Application Number	10/717,742
Filing Date	November 20, 2003
First Named Inventor	Thomas Wayne Ray et al.
Art Unit	3672
Examiner Name	William P. Neuder
Attorney Docket Number	1301-1160

Complete if Known

			U. S. PATEN1	DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>2 (f known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevan Figures Appear
<u></u>		<sup>US-</sup> Re. 36,452	12-21-1999	Upton et al.	
· j		<sup>US-</sup> 6,123,337	09-26-2000	Fang et al.	
		us- 2002/0052434 A1	05-02-2002	Lichtenhan et al.	
7		<sup>US-</sup> 2002/0055581 A1	05-09-2002	Lorah et al.	
		US- 2003/0039816 A1	02-27-2003	Wang et al.	
		<sup>US-</sup> 6,554,070 B2	04-29-2003	Genolet et al.	
T		<sup>US-</sup> 2003/0187124 A1	10-02-2003	Hirata et al.	
~		<sup>US-</sup> 2005/0109502 A1	05-26-2005	Buc Slay et al.	
		UŞ-			
		US-			
	1	US-			
	1	US-			•
	<b>—</b>	US-			
		US-			
		US-			
	1	US-		**************************************	
· ·	$\vdash$	US-	-		
		US-			1
	1	US-		† · · · · · · · · · · · · · · · · · · ·	

FOREIGN PATENT DOCUMENTS							
	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages		
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T <sup>6</sup>	
-		WO 98/10012	03-12-1998	Raychem Corporation			
		JA 11-293089	10-26-1999	Sumitomo Bakelite Co			
		CN 1289812	04-04-2001	Li Shirong			
		JA 2001-158849	06-12-2001	Kuraray Co Ltd			
		WO 03/072646 A1	09-04-2003	Siemens Aktiengesell			
in		JA 2004-075707	03-11-2004	Sekisui Chem Co Ltd			

Examiner Signature	male a	Date Consider	ed 10/6/65

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. Nind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449/PTO **Application Number** 10/717,742 Filing Date November 20, 2003 INFORMATION DISCLOSURE First Named Inventor Thomas Wayne Ray et al. STATEMENT BY APPLICANT Art Unit 3672 (Use as many sheets as necessary) **Examiner Name** William P. Neuder 1301-1160 Sheet 2 of 2 Attomey Docket Number

			U. S. PATENT D					
Examiner Initials*	Cite No.1	Document Number				MM-DD-YYYY Applicant of Cited	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
		Number-Kind Code <sup>2 (F known)</sup>			Figures Appear			
		US-						
		US-						
		US-						
		US-						
		US-		· · · · · · · · · · · · · · · · · · ·				
		US-		· · · · · · · · · · · · · · · · · · ·				
	<del> </del>	US-	1					
		US-						
		US-						
		US-	<del> </del>		T			
		US-						
		US-						
		US-						
		US-		<del></del>				
		US-	<del>-  </del>					
	<del>                                     </del>	us-	<del>                                     </del>		<del></del>			
	-	US-	+	<del> </del>				
		US-	+					
	├	US-	<del></del>					

		FORE	IGN PATENT DOCL	IMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document ·	Pages, Columns, Lines, Where Relevant Passages	Γ.
		Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>5</sup> (# known)	MM-DD-YYYY		Or Relevant Figures Appear	₹ ا
		JA 2004-132486	04-03-2004	NSK Ltd		
~		JA 2004-148634	05-27-2004	Toppan Printing Co Ltd		
					·	
						$\vdash$
		·				┡
					ł	

Examiner		Date	
Signature	mele- 27	Considered	146/05

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as Indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the Individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

PTO/SB/08B (02-03)
Approved for use through 04/30/2003, OMB 0651-0031
redemark Office; U.S. DEPARTMENT OF COMMESCE
armation unless it across the community of t

the Paperwork Reduction Act of 1995, no persons are			ct of 1995, no persons a	e required to respond to a collection of information unless it contains a valid OMB control number.  Complete if Known			
The stude for form 1449/210				Application Number	10/717,742		
INF	ORMATION	DIS	CLOSURE	Filing Date	November 20, 2003		
STATEMENT BY APPLICANT		First Named Inventor	Thomas Wayne Ray et al.				
(Use as many sheets as necessary)			occessor)	Art Unit	3672		
				Examiner Name	William P. Neuder		
Sheet	1	of	1	Attorney Docket Number	1301-1160		

		OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
~		European Patent Office; European Search Report; February 23, 2005; 3 pages.	
~		MACFARLANE; "How seawater, temperature, pressure degrade polymeric materials"; Materials Science/Engineering; Offshore - www.offshore-mag.com; December 2000; 2 pages.	
$\sim$		SANVITO, G.; "Peroxide Vulcanised Perfluoroelastomers"; Macplas; 27; No. 235; Issn: 0394-3453; January/February 2002; Pages 108-110.	
<i>`</i>		"Oilfield Engineering with Polymers Conference"; 4th MERL Conference, London, UK; Rapra Technology Ltd & MERL Limited; November 3-4, 2003; Pages 248-258.	

Examiner	2-2	Date	
Signature	Will the	Considered	10/6/05
40044444			

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.